J. Worrall 'Scientific Realism' Philosophia
~~Europe~~ Phil. Q. 32 (1982) 201-231

---

3 arguments against realism

1.) Idealization
2.) Underdetermination — Not 'applied' may be used to distinguish real theories with false empirical consequences
3.) Scientific Revolutions

↳ Past versions of empirical realism — falsified
↳ Current realism — falsified

But to test we don't know
what part of Current theory
the theory does actually rest
upon is true rather
it hypothesized by which

L. Laudan "A Refutation of Convergent Realism"
Phil. Sci 48 (1981) 19-49.

A very clear, argued sustained attack on 'ontological' & referential continuity between theories.

Does not if theories have different ontologies can be said to be a limiting case of the other. Attack on Put's benchmark principle. But what about 'translation' or 'reformulation' of old theory.

F. Suppe ed. 'the Structure of Scientific Theories' is very good report of 1969 conference — new ed. Ca afterwards by Suppe — declare of Received View (Hempel-Carnap.) era of Weltanschauung approach & Kuhn) debates — Critical Realism has the field according to Suppe. Good discussion on Kuhn's Thoughts on Paradigms' etc.

T. Kuhn 'the Essential Tension' — very nice collection of history and historical case studies — needs re Kuhn's or Paradigms, Theories & Criticisms of Measurement (& quantitative Kuhn losses). A role for Kuhn Experiments etc — Nothing really new — most of his ideas are foreshadowed in Polanyi to Structure of Scientific Revolutions.

Rodnitsky) Anderson, eds 'Reason and Rationality in Science' – very nice sequel to Cohen's ed Growth of Knowledge. LSE Popper notes for Kreisky Conference with replies by Feyerabend, Lakatos, Musgrave, Albert, Gähner, Anderson etc – then replies to critics eg Watkins (dealing also with Newton and Feyerabend). J. Worrall.

P. Feyerabend 'Science as a Free Society' sequel to Against Method – 3rd part replies to critical reviews under the title 'Conversations with Scientists' – nothing really new

Fogerolend

Pumenta Studies 1962, Broadcast edge of certainty 1965
J. Phil. (1965)
Shapere: (1960) Rudi cosmos

D. Achinstein 'On the Meaning of Scientific Terms'
J. Philosophy. 61 (1964) pp. 497 - 509.
argues against F. on conventionality of
(similar to his 'not Concept of Science')

Refs ref :—
P. Fogerelund 'On the "Meaning" of scientific
terms' J. Philosophy 62 (1965) pp. 266-274.
tries to draw a distinction between meaning
(Hubert) > meaning - varies as the following
lever: T = cm $\bar{T}$ = cm (albert G) T' = R.M.

T > $\bar{T}$ are different theories. but no change
of meaning — fundamental value of force (e
changed, but no change in fields of physics.
& Meaning (Hubert) if new theory changes extension of
classes, but leaves concept unchanged
Meaning change is when new theory entails extension
of all concept of old theory as zero & we cannot
interpret new T as redistribution within same overlap
classes, but changes the system & classes itself.

Bacon Novum Organum

Book I centers attack on 4 classes of Idols.
Tribe, Cave, Market Place, Theatre.

Book II expands the complexity of Tables and Arrangements of Prerogatives. The example of investigating the form of heat is discussed at length.
He stresses in addition to the Table of Essence and Presence, the importance of the Table of Deviation. Negative instances would be enabling and should be chosen as most alien in all other respects.
Finally there is the Table of Degrees which shows concomitant variation.
Decisive superiority is obtained from ~~Into~~ Instances of the Finger post. (Crucis)

Mill System of Logic

In Bk I M. distinguishes Inductive, Connotative

Bk II M. critices analysis of the Syllogism
He agrees with argument & city i.e. Socrates
is mortal is diagnosed in All men are
mortal, but argues that true premiss e
John and Harry are mortal → universal statement
deduction
deduction Socrates is mortal.
Ss inference is always from particulars
to particular.
But we can say All men are mortal as to
be understood in Connotation, not denotation.

In Bk III M. deals ≤ canons of inductive reasoning.
He does not claim proper is sole
basis is deficit (cf Bacon) but admits
power of intuition in framing hypotheses
Canons can be looked at in 2 ways
(1) mode of discovery of law
(2) mode of proving hypotheses
i.e. role in both heuristic & evaluation

M. Polanyi : Personal Knowledge

this seems to be a discussion of Kuhn
– Gestalt switches are emphasized
freedom is stressed. We conjecture that
truth don't validity and are committed
to our beliefs (a post-critical position)
but yet how our views are fallible.
final chapter deals with emergent nature
of consciousness "we may envisage them
as centres [of consciousness] by degrees of
short-lived, limited, hazardous plasticity for
making wide leaps & later own towards
an unthinkable Comprehensive. And thus arise,
I believe, how a Universe is blessed when
worshipping God"

Page VII [personal knowledge] is used before
in the sense of establishing contact with a
hidden reality, a contact that is defined
as the combined fiduciary & indeterminate

range of yet unknown (and perhaps yet unconceivable) true implications — — personal knowledge or even collective commitment, and as such inherently hazardous. Only affirmations that could be judge can be said to convey objective knowledge of this kind".

F. K. Feiedberd. Against Retted

on a letter to Lobotos attacking retirement
professorships. F. discusses fidelity arguments
in Eformenics in detail and draws
a number of conclusions. (1) Retirement
decreases ~~on~~ the quality of the work
(2) No independent objective criteria
new theories exist ~~that~~ even theories —
(3) Measurement of success leaves —
F. does not believe in fixed age limit
but — decisions ~~subjective~~ of a new type
must be developed — the days of absolute
technical authority in Freb art
F. says science should not be taught as
dogma but truth — as a fact and magic
Eq. Lobotos or the academic —
we can obey, cling to a dogmatic
programme.
F. has good summary of Retter's views
F. stresses twelve lines of Retter's
work of content-meaning structure &

if theories in our discussion
Herbert critical to Gadamer on translation
Wilcox theories R JTS. 1970 p. 259, 1971, p 39
also Donahoe on radical translation
Rhed F. describes as a "triviality".
Both are very witty and provoking and
its detailed arguments are different
to counter. (cf Hanson scepticism)

J. W. N. Watkins: Non-Inductive Corroboration

in the problem of inductive logic ed. Lakatos

Make first candidate used to undertake it involved a prediction about corroborated falsifiers

Success. But the approach of candidates notes. We next claim -

If $c(h_2/e) > c(h_1/e) \geq 0$

h_2 may be very bold (absurd h_1) and have very unlikely to survive tests

— it is not falsifiable than h_1

Ken Corroboration is an approach of how far we have advanced the boundary at explanations with very high content and high non-absolute probability.

Wider aspects should not always or the most probable hypotheses — despite utility of notions — they try to get accepted as a hypothesis you intend to be false.

Carl Newspeak of a field is fairly useless they assume it is science, rather than be— really in terms to talk, and get ourselves accordingly.

We asked 'Have, Canada's Potter' p.271.
whether we Potter's scotland & the Union
as the rupee. But all agreed values are
equally uncertain, but let us see what
all are equally 'un-scotted'.
Potter sees rules for passing one by letters
related to exciter, not related to all the
infinite possible & offenders to it -
Constitutions relates to reconciliation
but sees no guarantee & increased
reasonableness.
We accept one set & number & certainty
accepted by letters on the one hand
(worth repeating) & (in effect next letter dy
in view & the high content requirement)
A second class is one by letter & passing
Thus is the relatively
effect & exciter
a practical

Have	Student rate disease	Potter actual disease related rate
Canada	yes	no
Potter	yes	no
	no	no.

A. F. Chalmers:

What is this thing called Science?
An appraisal of the Rolation, status of
Science and its methods:
University of Queensland Press, 1976

Good general introduction to Popper,
Lakatos, Kuhn & Feyerabend.

ch 1. Induction common sense induction in
Lakatos Lawful Theories Deduction
Facts Predictions Predictions, explanations

Ref: also Mundle. Perception: Facts
and Theories OUP 1971

ch 2 The Problem of Induction — Can it be justified:
Large number of instances and wide variety of
circumstances
enumeration
Elimination
— falsificationism Eliminative Theory

Ch 3 Theory dependence of observation.

Induction is supposed to start with a secure base of observation and build up laws & theories by inductive reasoning.

But what one sees depends on what one expect to see. Ex of optical illusions

Ex Polanyi Personal Knowledge p.101 "... "
X-ray picture is recognizable to an untrained
a galaxy's view then 'exists' had to
be 'interpreted' - cf Kepler's account of
Q. as a photograph it.

Also all observations require some concepts
theory Ex "Look out, the wind is blowing the
baby's pram over the cliff-edge." — we expects
power, pram will fall, fall will hurt baby
etc. cf "The Scientific Spirit" — that
is your picture mind can be forced to
become of opinion.

The observation statements are, fallible
cf "Here is a piece of chalk
Q. It will look like chalk
A. Seems white like a B/Board
Q. what about chemical analysis — but for 99%
of others need not look for it — but all the
is all we need to observe

Ch 4 Falsification is introduced.

falsifiability is a criterion for demarcation of theories

— universality / precision

Popper's ideal is

Initial situation → theory with novel consequences

→ Upon testing → theory upheld

↳ falsified → new initial situation → new theory.

No conjunctions is theories tested in clusters

a) universally stated

N.B. Statistical test of a hypothesis statistics are not deductive. Inferences are falsifiable only in the light of some theory

Evidence for laws fly at night, all ravens are black, white.

— Ravens are counted in a certain location

② Why is Ptolemaic theory counted as a mistake

— clocks work slow east

free of a vacuum, falls up the runway

③ Why were Ptolemy's Models taken seriously

— if was assumed in calculations

could predict eclipses etc

to decimals

4) Why does [illegible] of Kepler agree with Galileo and Newton's theory of planetary motion

Eq of degree of force.

1) Kepler → Newton → Einstein

Kepler:
explains why planets fall to Sun (each their natural place)
But can't explain why of Jupiter around Jupiter, not round the earth
+
stops pen life it must fall. it just at rest of earth is moving

Newton:
Theory of Tides
[illegible] of Sun & moon with height etc.
Need [illegible] (can't act at [illegible] for rule of moving
- non rotation
- if elastic can't relate etc)

Einstein:
non rotation with velocity and can't move or be corrected.
+ Velocity of light in Sun's field.
neural predictions.

Section E.1

Properties of Sets

Theorem 1. Both have the same elements — i.e. have
the same first and second Parts identical

Theorem 2. Both "have" have just one part
That is Identifiable Sets.

Theorem 3. Both can be united
The Union can of Sets.

Theorem 4. Sets have ~~ideas~~ — Equals are
equivalent — The Empty the Sets.

Theorem Sets just let my still 2e
wrong — Ajax need the can
be excluded. of Ine used in
coll were not two represented.

N.B Set of objective statements, that can
logically can a they are set of Sentient
Individuals, PF ~~set of is set of Sentient~~
~~a they can of Sentient Sentient Sentient~~
that be Int [illegible] Rem or of Each Sentient T

$\therefore$ P.F. = T + T , = T = F

ch 5 Sophisticated Falsificationism

- Popper on growth of science
Now consult (re Pierre Jabloka) Lakatos
reflects → Popper section of science
ch Popper 'C & R. ch. 10 and O.K. Ch. 5 & 7.
In general what makes a theory acceptable
in place of another — (Lakatos answer
here is Lakatos rejecting a theory and
rejecting it)

Pb We cannot assume degree of falsification
absolute — always a theory that
we may be the case & problem
solving one.

- so undisputed testable
ex Bread recipes — But Food recipe
cultural & expt physics, all falsified
At best predictive a
Bread recipes, except that backed on
a certain ending in flavor
— then in Lak testable, then depend
theory.

Problem

Problem observed until Copernicus was not a problem
of fact - the problem did not lie in
whether celestial facts up the calculations
— in way of today then — observed or
they that known Earlier, two North Poles
[illegible] replaced Poles the 'stuff' is just as
Tolo of Neptune as a today Problem
stay Come.

Yes — and the modifications!

1.) Read numbers → All read numbers
Copernicus made from which Copernicus
by pages (eyes) — we can but does
they by easily pages for Earth pages,
testing the Cabal pan the village for
pieces of the pages — calibrated pages
a pieced number by Head, Today for pieces
effect are

2) Pencils of Neptune. pan calculations &
Planet Uranus — predicted by Leverrier
) Atoms — radial prediction & Newton
d planet confirmed by Galle.
(but of pencils and Planet Vulcan)

§ Good reasons for the Confirmation of
Implicated Falsification
in Learning from Mistakes' — Ch Chalmers
BJPS 24 (1973) 164.

Falsifiable beds to possible & real counterexs.
Reg evidence or more confirmed to either
a) Eliminating a bad conjecture
b) Supporting a conjecture
those two ft together ubi is consider
a the bkd theory in relation
to background knowledge

Bkd conjecture is one that conflicts
with accepted background knowledge.
Bkd evidence is or historically related known
after a pos confirmation, & they it
may be applied when background
knowledge is suggest bkd or
no longer bkd.
in problem of recalled cases can bkd in
late 19th century — now it is no longer
bkd
A ~~bkd~~ bkd theory is an bkd by
novel predictions

(1) James Prediction of bright spot at centre of shadow of a C disc (1819) was based relating to corpuscular theory of interference / diffraction / light

subsequent account of role of corpuscular theories why were rejected if experiment is not highly regarded — does it test clear cut focal logical Newtonian corpuscular theory. Has modern physics a valid alternative not affected. (Does as Newton's rejection affect in wit quite accurate as Boscovich Young just one p(7) is high rate at civil corpuscular proves does How doren.)

(b) Levels of Explanation

problem of referent basis — observation produces explanation and theories fallible. — Basic principles are accepted as exact A is decision — a one counters, but counterfeit is tentative — theories / models as explanations must also be open to testing — needs of scope and fallibility

C. centrifugal unit. a decrease of the applied
I. Int detectors — we pay Int at
them Int a certain d theories

Ei 1) Impulse notes d Dreams did not
affect Newton) theory — Just ri d planets
was wrong.

2.) Radhe' discord b affects Copernicus.
Eccent no parallax d distant stars.
What was wrong was speed d Jupt
distance d the stars x problem d 3 cent
Int Tor. Jovell to measure.

3) Ubden example. Tycho b affects Newton.
Planets regular motion.
new planet proposed. to avoid to be seen
— Bayer literals is Greek. — Jesus of
— Judea by comic dept. — years of
Potables to Int — rel diurnal
— negative feed is fortuitous the Solicants
existents — new theories Jpt to
Necessary negative feed — not disrupt
explore Lobster e. g. d K p ice.

C. continues by stating that if Philadelphia 11
had been established (at any rate known by)
she must therefore would have been elevated
at birth

1) Newton's theory followed by observations
of the moon's orbit

2) Bradley's aberr theory followed
by stability of atoms — electron
would radiate) calculations about
the dist.

3.) T.T. followed by Fizeau's
Measurement of Jupiter. — not
classical upon until D.T. accepted.

4.) Newton followed by Maxwell
Hertz — not abandoned until
replaced by E's theory.

C. continues next to his account of
the Copernican Revolution (1543)

Bartholomew Mycen Universe as 2 spheres sub-lunar
and sub-lunar.
pl. liquid, dry, heavy, earthen
4 elements each on pair, & stay
and not natural place with fields
water is at surface air dry + rarefied.

Inter-lens - action - exciton radius cycle
> depends upon Δ tunneling.
Notion of an natural lattice upon a Laser.

Apparent against Expansion: ∥ Relaxation

1.) Tower against. Electron-Hole pair
drilled per cm of laser beam
near axial of tone (total number
charge bonds do exist.)

2.) Lone light field by dipole

3) Why do we call Law de Beer
Lebed de nous

Interviewed

1.) Mirror & parallax of stars

2.) Pas > Views de vol charge use
as against by Electrons

Electrodes & Electrons

Title explanation of

1) ~~Expansion of planes~~ Relapsed adiabatic
d planes-

2) Of Norway, Upton Ziegler Jean
— Super adult

Full Colours Lod v dels in
to led to lose adbe species
Intra web a Relay

Galileo's Contributions

1.) Telescope observations

a.) Moon's Craters — he believed volcanic, based on Earth's

2.) Moon of Jupiter — Galileo Jupiter (Medicean stars)

c.) Phases of Venus

d.) Observed Moon, Venus as regular stars, Saturn as Ears.

But Galileo had no theory of telescope & failed to understand optics & Saturn's rings. Sees & Saturn as three bodies

2.) Mechanical Laws

1.) Studies law of inertia

- Light can stay slept until pulled (in 2 New Sciences 1638) could not deal with objects affected but also failed to explain it as

do 20 feet inches & 10 each

Net folder still had. perfumed
pl circular Accts

toffee semi-fixed od loc. charges
by wing electrical clubs

Wanted Reg Secretaries Leeds
united — detailed investigation
into possible & tidal theory,
Accts written, deposits paid
Refills by Lees due to funds Lees
& for; unforeseen facts &c

go Chairmen of Scottish cir
dinner — let not forget Leg
Corporation (Solicitor Accountancy)
and unrealised subsidiaries (Fabricated
Accent Cross) → Contracts Ledger
& a Personal Expenses

ch 7 Theories of Structures:

1. Research Programmes.

Negative heuristic does not allow to deny per hard core which is retained by decree - cf Popper on Duhem-Quine.

Positive heuristic is devoted to articulating, protecting belt of auxiliary hypotheses, initial conditions and sensible disconfirmations (e.g. puddles of stars in Copernican hypothesis)

Ex. Copernicus: the earth, planets plus sun not earth plus sun as Ptolemaic.

P.B. physicists, observation statements no puddles etc

P.H. may involve purely theoretical terms

Ex Newton: Neg h specific laws

Tab atom + nucl particles

sphere, wobble of earth

for Uranus planets and Le V.

Li hypothesis Le V doesn't exist.

↳ diffuse and dissipate rapidly

Lat Newton to consider mass - spherical planets

Le atoms for atomic theory of matter etc

Pro. experimental programme for 1975 studies
- detailed work accounts (Final Diary for understanding Education
Secondary Cert of Spec. in Education (Grade 12)
Written Ex in Bahi's Women Diary. Note
Late stage of Ideal Examination Plan in
note. Programme develops, without Head of
it in Note of Intercultural Subjections'
Personal Programme Programmes via Course
Prohibitions (Electricity or Personal) if the
as confused.) Note Officers of Confirmation
in C'r account. — Subtractions very fast in
Spread.

S.R.P. want 1) Jane Calvert Personal Policy
2.) Account Actions of Second.
Subsidised.

EMS
Procedure should 2 but not 1.
Rentown Subtract 1 and but not 2
; Freedom win
Compare 1.) with certain of Programme
In of Programme
2.) Compare Column 2 Programmes.

So as Per-ad for important in 1 certificate
in Probability diploma, of new Diary of Freedom of Interests
of new Diary of Refreshed in Email & Examples
to account for notion of Unions.

2 sets of [illegible] with L

1) on the [illegible] — [illegible] in
[illegible] [illegible] 'natural' [illegible]

2.) [illegible] local [illegible] — [illegible] [illegible]
[illegible] in [illegible] [illegible].

But [illegible] of S.R. [illegible] in [illegible]
— in S.A.P [illegible] [illegible] of [illegible]
— [illegible] topologies
To [illegible] [illegible] [illegible]
e.g. To [illegible] to [illegible] [illegible] of [illegible]
[illegible] in [illegible]
[illegible] [illegible] [illegible] to [illegible] [illegible]
(sound [illegible])

[illegible] [illegible] [illegible]:
[illegible] [illegible] in [illegible]
[illegible] in [illegible] Many
Theory [illegible] [illegible] Received [illegible]
documents [illegible] [illegible] — [illegible]
[illegible] in [illegible] [illegible] analysis of
the 2 [illegible] — so [illegible]
SR2's by [illegible] [illegible]
on [illegible].

L's Nederlaag does not fit clean cut
science also to Kuhn's perspective,
but does tell a content which it
does is to be aimed at (academically)
e.g. it is not valuable to aim at
final and unfalsifiable theory.

ch 8 Ravens or Structures
2. Kuhn's paradigms
The Structure of Scientific Revolutions, 1962.
— Historical approach. or in Calendar
Part emphasizes sociological factors.
and incompatibility of rival theories

pre-science → normal science → crisis
→ revolution → new normal science
new paradigm

→ new crisis

paradigm directs puzzle-solving activity
Normal science is governed by a single paradigm
Rare in developing fields of science pre-science
according to Kuhn (cf Popper)

puzzles under a paradigm of *theoretical* and *experimental*

↳ new math. technologies etc

↳ new instruments etc

Failure to solve a puzzle is seen as a failure of the *content* not of the *paradigm* — we talk of anomalies, not of refutations

All paradigms have anomalies

Kuhn called such failure/reduction.

A normal scientist is *uncritical* (dogmatic)

In fact no one is described dogmatic as Lakatos & Popper both stress good light.

If unit willfully ignore facts.

He cannot *define* a paradigm already

It is defined *in use* — *trait* analysis

and *craft* skills of worked ciel

Kuhn the Artist — as Strum.

Crisis develops the anomalies are

ignored & cast in Aristotle's Ptolemaic Physics.

Social work + charities may be confused
eg. Caledonia Mersey at time of
Clearances.
Lloyd George knew how best called in
Hamlin + Greville
— all comprise to families Class
Fights Law Justice Parliament & the
Lawyers — Asquith & Lloyd George
eg Petrol. Tithes & the Parnell are
Leopard — Wild Woodbeen Leyes
Ulster Home Rule Anyes in a Flood
— Foyhall Suite
Inconsistencies days ci cell, cuei
1.) articles different.
Ex Marbella 2 yrs & Lyon Avenue
→ all forts & Lorraine Avenue
Re-Lorraine Closely Co Abbeyfield
— Lloyds Lift Lorraine
Rented Co Cooler
↳ Eastern Re Cooler
2) Affidavit 2018 of Justice are yearning/at
a Legislative for Parcels why do Flats
Fail is not a verbal justice Ken
Verbatim this a vital justice.

what is not [~~light~~ capable] of to another
no longer logically for Einstein
and so on.

Translation of abstracts at variance with Nuclear Physics (as indeed is Medieval debate)
Clarity & diligence & redundancy
. results in rule for psychological reasons. — subject of new theory — rel. unfolded & new problem arises, — social aspect etc.
But evolution + law may also
in a logical change in the
word concerns.

Does Science progress thru' a revolution?
of the new paradigm just as debate
Einstein — Relativist position — of
Feyerabend. Kuhn says he is not
a relativist. Progress occurs in
normal puzzle-solving activity
— But K. denies any of progress in truth.

Also is necessary to set for
[illegible] puzzles (Mendel, Mittwoch
etc)

My problem is Mendel problem:
Can I find in Mendel's
- dev a sort of [illegible] and
of the other.
(what about Robo losses?)

N.B Robo is not used [illegible]
We say mind, midstory [illegible]
of both memory [illegible] and [illegible]
more in [illegible] and [illegible]
Mind mind Same this puzzles,
Learn by [illegible] Yes! also then
Last year the Mendelism
Mendelian Secret [illegible] a this
Confederacy puzzle - they [illegible]
to emerge [illegible] but [illegible]
of them.
- Extract with [illegible] account of
[illegible] their [illegible]

Paul Feyerabend: Science as a Profession and Education for Freedom: An Historical Essay. Dordrecht: Reidel, 1988.

Paul Feyerabend: Classical Empiricism. In: Robert E. Butts and Jaakko Hintikka (eds.): The Philosophy of Karl Popper. Dordrecht: Reidel, 1974, pp. 150–170.

Paul Feyerabend: Consolations for the Specialist. In: Imre Lakatos and Alan Musgrave (eds.): Criticism and the Growth of Knowledge. Cambridge: Cambridge University Press, 1970, pp. 197–230.

Paul Feyerabend: Consolations for the Specialist. In: Imre Lakatos and Alan Musgrave (eds.): Criticism and the Growth of Knowledge. Cambridge: Cambridge University Press, 1970, pp. 197–230.

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Paul Feyerabend: Consolations for the Specialist. In: Imre Lakatos and Alan Musgrave (eds.): Criticism and the Growth of Knowledge. Cambridge: Cambridge University Press, 1970, pp. 197–230.

Ruben Levinson 3 different to realize Lecture 24
Nov readings:

1.) Hydeley of individual markets
2.) Theoretical concept of fields of markets
3.) Recent evidence of Marketing.

But it fits for 2. as base of that as
Source:
Chalmers ages for 3.

N.B. Hydeley does not mean that
Hydeley theories may be false
But as Hydeley ages for Ideas
and marketers they must understand
the underlying assumptions of marketers
who do the research
& must be shared first marketer
Hydeley noted & castigated product.
— then we can modify behaviour
& understand a part of markets
who are the product.

Of Myths in unit 3

Seems as a Social Extent: Ravets: Scientific Knowledge & Social Problems 1971
Zaman: Applied Social Research 1968
L. Sklair. Organized Knowledge. 1973.

Do our theories converge towards the truth?
Rudy says we don't "no coherent descriptive
of ontological knowledge" (SSR. p. 206.)
Context Evidence Realism : Reason decide what counts
as Explanation : Reason cannot decide
- just lots of rules for doing
science

Differences with Kuhn/Feyerabend
1.) rules as to how theories change
and develop - Vs their values
2.) Cannot explain novel production
e.g. robots and future that don't
take knowledge of theories of Science
present - Evolution etc.

cf. Gellner in Preface to Legitimacy
The Revolution of the Human Spirit
attacks on irrationalist relativistic
[1]
e.g. Feyerabend
cf. Science as a relat "and yet it moves."
But realism as real problem because
of how empirical they science

the moment I need less to care much of
Gyarmati puzzles that have to be done.
At the moment I care 'a lot' when I see
Gordon Wilson or Fi Glasier puzzles
unless not even - happen of course should
be tackled.

Truth: Inverted problem that I am
currently concentrating to puzzle - of
Tantrix they are elaborated by Puffin.

Puffin refer to content not as they
in terms of operations that need
can be done from it. Fi Pollen
is not a total mind
standard term (?)

A true theory or one fact of
direction should not follow from it
one link. — Rules will have of
DA of subsequent — does direction
under standard terms.

Fi we are led to Puffin notion
of recommended = (Truth content)
— record (Fosty content)

Truth content = class of two observational consequences of theory

Falsity content = class of false observational consequences of theory.

t_2 is better than t_1 if either

a) $T.C.(t_2) \supset T.C.(t_1)$
but $F.C.(t_2) \not\supset F.C.(t_1)$

or b) $F.C.(t_1) \supset F.C.(t_2)$
but $T.C.(t_2) \not\supset T.C.(t_1)$

Popper, Miller, Tichý, Oddie, Niiniluoto, Kuipers

But see esp. p. 233 where Popper says there are two notions of verisimilitude or truthlikeness: one logical content and one empirical content

Popper says
A theory progresses the verisimilitude of its theories steadily increases.
But this cannot be made based on Tichý – Miller difficulties etc.

Epistemological problems

How do we know reasonableness is necessary. ?.

Difficulties on. 1) depending statements on falsifiable support false statements may later be taken as true (as stellar parallaxes on)

2.) Later on a list of false accounts may days to one: account of reasonableness is necessary testable.

3.) Semi true conjectures (social sciences keeper 'concept' in account/ reasonableness, this Natural properties ? (Act & Inductive law ?)

Assessment of evidence relating to degree of reasonableness is reflected by Rather in the notion of degree of corroboration - the degree A test to which a theory has survived severe tests.

elaborate experiments have been carried out in the past in the attempt to throw light on the question of the nature of the changes accompanying the passage of the electric current through solutions.

The conduction is two-fold, but in both cases it depends on the passage of the ions, whether positively or negatively charged, in the opposite direction to that of the current.

Chemical changes are produced in solutions by the passage of the current, and it is by the study of these changes that we obtain our most definite knowledge of the nature of the conduction.

3e

ch 11 Modern developments in ...
... called Radical Existentialism or Literary Realism

Started up mainly between 1945 & 1960 - Broke away from Victorian values & traditional realism.
Believes truth depends on individual experience & all (but radical existentialism) - reality depends on how you describe what world is as if like Rorty says it is - Is no objective truth (& that real) - Is valid because it is the views we have

ch 12 Das with 1) Naturalism
(Louis Althusser's Marxism)
Scientific practice is linked with class form of social practice, to which Engels & Marx belong (Essay).
- going to Politics 3 views (p 134)
world 1 - Historical Epochs
world 2 - Scientific Logic process
world 3 - Human, Political practices etc
Science aim is Truth.

Re Franz und Nickels Letzen. cc Cadet Card 3. 31
cp. 141 Claimen dem. Lobales Rolle
d. a rational reconstruction d an ethnic
u. history d. Prose. — Ihr centre cultural
history ~~was~~ in order to entre die's readmitten
for Cook d history and the cultural history
for Cook d rationality
cp. 143 Claimen claims Pollen x
Lobales on your-unclear Proceeds
to Justify their methodology in ordering
their total aim
2.) Fogelsong's apriorenalysis Analogy
is almost exact effects d determinedness
to succeed of program d Marxists
offered by Marxists.
F. confuses democratic ideology d religion
SA is taught dogmatically — quite unjustified
F. says SA Ziele demokratisch realized
— as they goes. Die ways, how democratic
ideals of history Get no single identifiable
Precept for in fact Examined.

F. advises Cebeleon, cat xyz et les re-
medeleyeii bité — Vere according
to the lost methodology (Cebeleo) there is
no methodology!

F. yes detailed study of Sebileo.
. I decided les theres explicit of the
enfoncel evidence voitin des Le cave-
of et — defended les they until
pathogenicity tricks. Then I could
Cebeleb vesica as agent rebel - I
vesica Levure it points les theory.
— Jerelet fr circular verin and
selectivity principle

F. Jerrer a preference of theres
(Cebeleb Kubr) — Jeres ci explanation
Cebeleo theres, cat Cebeleo theory
and observation.

Ipso data for today are they my dis
be bracket with and of anilon
e.g. Brunner Nelson antibody F.T.
of face - of or Cebeleo 2nd Cebeleo of Kunstgrass
of in the light of F.T. (Bi the agent
rebel — ep Fsmear Cebeleo).

F. ages (in 3 sets of threes)

1.) intellectual — ugly ages
2.) theatrical — very contrary clients
3.) Sibylline — those for whom secret notes must explain magic, religion, whatever else equals a fresh demand on their attention.

↳ This is what F. means by dialectical tragedy or Dadaism

F. means science by delight details in structures (technical use of science) — reflects all different factors of travel.

Clothes considered

For F. science is a spin without a cat
For Wittgenstein ... cat without a spin

Reference a Fgureland

Agent Rooted.

How to defend ~~Social~~ against

~~Society~~ Science, Federal Methods § II (1975) 13.

"on the Influence of the Sciences on the Arts," and the Parallel Conduct of the two". Boston Studies Vol. 3 (1968).

T.S. Kuhn The Structure of Scientific Revolutions 1

p 10 paradigm for 2 characteristics
1) Enduring group of adherents attracted away from competing modes of scientific activity.
2) Open-ended with many unresolved problems
— not a fully defined theory a fully theoretical framework.

p25 with or normal science. comprises
1.) Measurement (not accurate) of quantities said not as important by the paradigm.
2.) facts to be compared with predictions of the paradigm
3) articulation of the paradigm

p33 K. refers to clarification of a theory by explanation

p36 Discovery of puzzles:
puzzles never exist until solution.
A question which cannot be answered is not a puzzle.

Rho p 38. there must be rules that delimit what explanations are acceptable solutions
eg Jig-saw puzzle - we must not force the pieces together

p. 45 K. says paradigm is a collection of
beliefs which have a family resemblance
(& subparadigms) - no explicit set & criteria

p. 55 K. discovery
involves recognizing both that something is
and what it is.
e.g. planet around ~~us~~ xylbat
~~is~~ may occurs before Herschel
identified it as a planet.

p. 77 K. stresses that a paradigm is only
abandoned if a new one is ready to replace
it - (critical debate, rejection)
We compare both paradigms with nature
and not each other

p. 81 K. stresses that we always have
some anomalies (moon's orbit after
Newton, Mercury's perihelion etc)
but some anomalies are more pressing
eg. optical corrections & the paradigm
are called crises; a body of time
taken to attempt to digest the anomaly

p. 96 K. shows that Jones of normal science
is due to the selection of problems by the
paradigm, not by 'practical' considerations.
An examine concern with trifle problems can
greatly inhibit scientific development.

p 101 K. Aristotle's conception of science, like
that of some Europeans as
that of some concepts as in Newton's
laws — in Newton is not a timeless
core of Euclid typ K.

p 110 K. typ paradigm decides after crisis
question as to what problems, science ought to
solve e.g. Newton's 'explain' gravity as
just accept 'action at a distance' as
in Newton. Newton's paradigm can
in a sense, a question against Descartes
'explanations' in style of Descartes to accept
explain (substantial forms) as one of the Scholastics

p-109 It. despues Jesait Sentch Jeder
exemple of Arabic race of Kordofan or
slave descent of coloured Col or Compared
with Sudan's race of a nearly Jemenite
Nubian Race shared by Predatory occupiers

p. 126 Book - robot Heroes 2 men with
same appearance can be different Ways
Everyday Common example Hero Jero.
2 men with different ethnic Images
Can see the same thing

p.148 It. my Agnes Calvin Paradigm
Cannot be solved just by Creating
Pattern solved Jere Ecole Paradigm
Reform what it will require or Ch—
Pattern.

p.152 It stems change a Paradigm can
take a whole generation to effect.

p.154 It. Lots Jere Jeans pi Jeritage
Paradigm - novel productions are
obnoxious to Jo upholders
on Science's Modules of Ecole
Jeat. als as ulsers / conservative
d une thing.

But K says (p. 145) there are not examples under individuals of collectively because (p. 157) rules have exceptions are later solved by the old paradigm change in paradigm not rule-bound about problem-solving achievements but future promise in respect problems neither paradigm has yet solved. Decision is based on faith in new paradigm (cf religious conversion) We do not have (p. 158) a group conversion but an "increasing shift in the distribution of professional allegiance"

In last chapter K. discusses sense in which science can be said to progress

In normal science this is due to solution of problems (puzzles)

K says in philosophy if we say there is progress what we mean is how one full coherent theory, set of data and ideal

des vrt proper to its own tense.
proper actor relation is more problematic since old gentis that were covered by rule 1 could not to that.
but K. says (p.169) new paradigm must at least do 2 things
1.) solve or attempt problem
2.) propose a "relational long part of the concrete problem-solving ability of its predecessor"
p.170 K. says all the vrt proper words the truth — no final goal' only relative of thing to evaluate — no 'good'. (although)
K. evaluates by saying we must. distinguish 2 senses wh proper is possible
1.) semantics element must be special (as described w H's list)
2.) the word must also posses special characteristics — names the gentes but it does vrt attempt to describe "what must the world be like in order that man may know?"

L Laudan Progress and its Problems
University of California Press, Berkeley. 1977.

Normative feature - theory model & science — no reference to truth — yet no labels yet hard cases may be problematic

Empirical & accepted problems
new theories must be judged as
1) how they clear up empirical problems
reasons
2) how they provide accepted problems

broader kinds of expanded problems
rather than principles or purposes

Good description of what is historically
(problem solving scholarly) and attach as
Theories of knowledge as Part II -